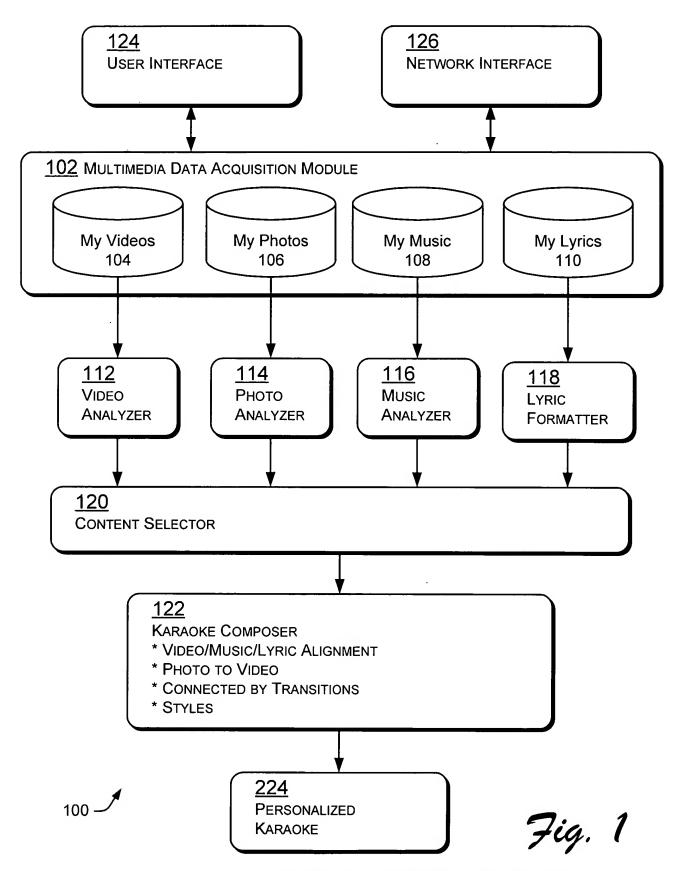


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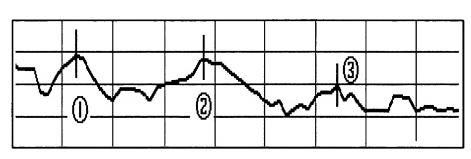


Fig. 2

300 LYRIC SERVICE

302 Network

<u>100</u>

KARAOKE APPARATUS

Fig. 3

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402 OBTAIN VISUAL CONTENT FROM LOCAL MEMORY <del>404</del> SEGMENT VISUAL CONTENT TO PRODUCE A PLURALITY OF SUB-SHOTS 406 SEGMENT MUSIC TO PRODUCE A PLURALITY OF MUSIC SUB-CLIPS 408 SHORTEN SELECTED SUB-SHOTS TO LENGTH OF CORRESPONDING SUB-CLIP 410 DISPLAY SELECTED SUB-SHOTS AS BACKGROUND TO LYRICS ASSOCIATED WITH THE MUSIC

Fig. 4

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502 DIVIDE SHOT INTO TWO SUB-SHOTS AT A MAXIMUM PEAK OF A FRAME DIFFERENCE CURVE

504

REPEAT THE DIVISION TO RESULT IN SUB-SHOTS SHORTER THAN A **MAXIMUM** 

506

FILTER THE PLURALITY OF SUB-SHOTS According To Quality

508

OPTION 1: ANALYZE EACH OF THE PLURALITY OF SUB-SHOTS TO **DETECT MOTION** 

510

**OPTION 2: EXAMINE COLOR ENTROPY** OF THE SUB-SHOTS

512

**OPTION 3: SELECT SUB-SHOTS** HAVING ACCEPTABLE MOTION AND ENTROPY

514 SELECT SUB-SHOTS FROM THE VIDEO

516

**OBJECTIVE 1: SELECT IMPORTANT** SUB-SHOTS FROM WITHIN THE PLURALITY OF SUB-SHOTS

518

**OBJECTIVE 2: SELECT SUB-SHOTS** THAT ARE UNIFORMLY DISTRIBUTED WITHIN THE VIDEO

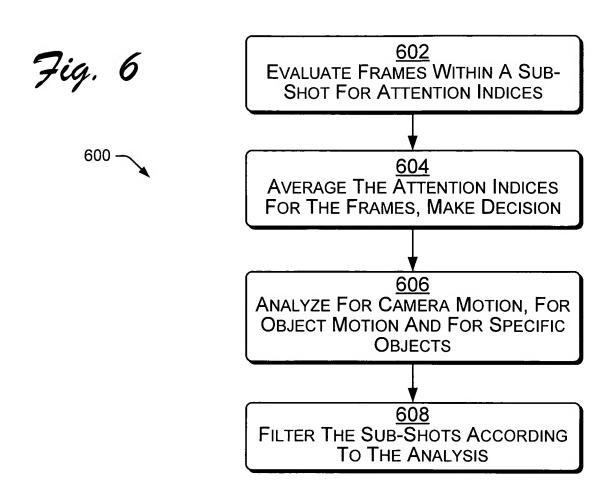
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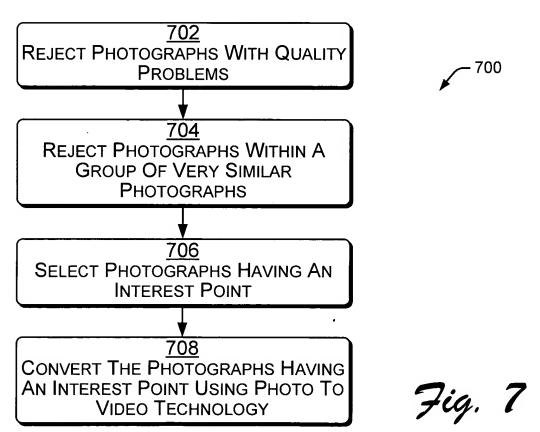
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## 802

ESTABLISH A RANGE FOR THE DURATION OF MUSIC SUB-CLIPS GENERALLY

#### 804

OPTION 1: SET MUSIC SUB-CLIP LENGTH AS A FUNCTION OF THE TEMPO

#### 806

OPTION 2: SET MUSIC SUB-CLIP LENGTH ACCORDING TO A FIXED RANGE

#### 808

ESTABLISH SPECIFIC LENGTHS FOR SPECIFIC MUSIC SUB-CLIP

## 810

OPTION 1: ESTABLISH BOUNDARIES FOR THE MUSIC SUB-CLIPS AT BEAT POSITIONS

# <u>812</u>

OPTION 2: ESTABLISH MUSIC CLIP BOUNDARIES AT SENTENCE BREAKS IN LYRICS

Fig. 8

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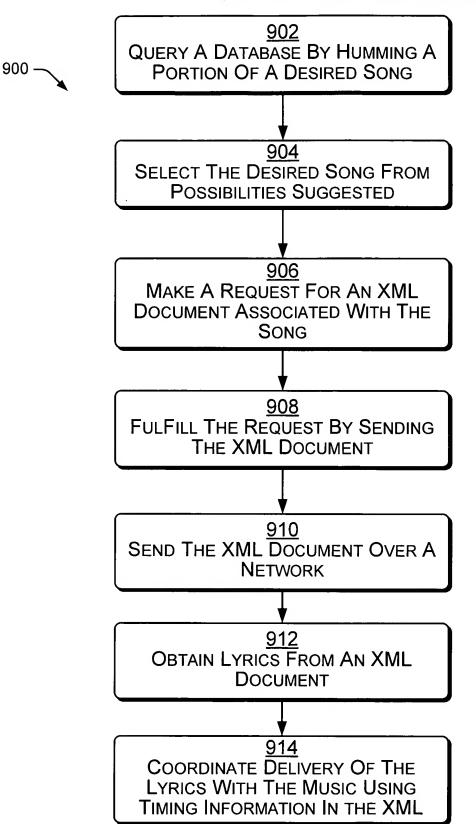


Fig. 9

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